PROP. XVII.

If rays of any one ſort paſs perpendicularly into ſeveral mediums, the intervals of the fits of eaſy reflexion and tranſmiſſion in any one medium, is to thoſe intervals in any other as the ſine of incidence to the ſine of refraction, when the rays paſs out of the firſt of thoſe two mediums into the ſecond.

This is manifeſt by the 10th Obſervation.

PROP. XVIII.

If the rays which paint the Colour in the confine of yellow and orange paſs perpendicularly out of any medium into Air, the intervals of their fits of eaſy reflexion are the $\frac{1}{89000}$th part of an Inch. And of the ſame length are the intervals of their fits of eaſy tranſmiſſion.

This is manifeſt by the 6th Obſervation.

From theſe Propoſitions it is eaſy to collect the intervals of the fits of eaſy reflexion and eaſy tranſmiſſion of any ſort of rays refracted in any Angle into any medium, and thence to know, whether the rays ſhall be reflected or tranſmitted at their ſubſequent incidence upon any other pellucid medium. Which thing being uſeful for underſtanding, the next part of this Book was here to be ſet down. And for the ſame reaſon I add the two following Propoſitions.

PROP.

If any ſort of
pellucid medium
flexion which th
ſtill continue to
ſtances from th
progreſſion of the
tween theſe fits
miſſion.

For ſince the
miſſion are of a
why theſe fits,
the reflecting m
reflexion, ſhoul
point of reflexio
progreſſion of th
muſt begin from
6, 8, &c. And
ſtances of the i
koned from the
of the odd num
happens when
refraction.

The intervals
tranſmiſſion, pro
medium, are equ
the ſame rays